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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
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10/598,054

06/18/2007

Jurgen Fischer

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38881

7590

03/31/2009

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EXAMINER

SODERHOLM, KRISTA Z

ART UNIT

PAPER NUMBER

2826

MAIL DATE

DELIVERY MODE

03/31/2009

PAPER

**Please find below and/or attached an Office communication concerning this application or proceeding.**

The time period for reply, if any, is set in the attached communication.

<b>Office Action Summary</b>	<b>Application No.</b> 10/598,054	<b>Applicant(s)</b> FISCHER ET AL.	
	<b>Examiner</b> KRISTA SODERHOLM	<b>Art Unit</b> 2826	

-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

### Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

### Status

- 1) ☒ Responsive to communication(s) filed on 28 December 2008.
- 2a) ☒ This action is **FINAL**.                      2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

### Disposition of Claims

- 4) ☒ Claim(s) 6-26 is/are pending in the application.
- 4a) Of the above claim(s) \_\_\_\_\_ is/are withdrawn from consideration.
- 5) ☐ Claim(s) \_\_\_\_\_ is/are allowed.
- 6) ☒ Claim(s) 6-26 is/are rejected.
- 7) ☐ Claim(s) \_\_\_\_\_ is/are objected to.
- 8) ☐ Claim(s) \_\_\_\_\_ are subject to restriction and/or election requirement.

### Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☐ The drawing(s) filed on \_\_\_\_\_ is/are: a) ☐ accepted or b) ☐ objected to by the Examiner.  
Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).  
Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

### Priority under 35 U.S.C. § 119

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All    b) ☐ Some \*    c) ☐ None of:
1. ☒ Certified copies of the priority documents have been received.
2. ☐ Certified copies of the priority documents have been received in Application No. \_\_\_\_\_.
3. ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).

\* See the attached detailed Office action for a list of the certified copies not received.

### Attachment(s)

- |                                                                                      |                                                                   |
|--------------------------------------------------------------------------------------|-------------------------------------------------------------------|
| 1) <input checked="" type="checkbox"/> Notice of References Cited (PTO-892)          | 4) <input type="checkbox"/> Interview Summary (PTO-413)           |
| 2) <input type="checkbox"/> Notice of Draftsperson's Patent Drawing Review (PTO-948) | Paper No(s)/Mail Date. _____                                      |
| 3) <input type="checkbox"/> Information Disclosure Statement(s) (PTO/SB/08)          | 5) <input type="checkbox"/> Notice of Informal Patent Application |
| Paper No(s)/Mail Date _____                                                          | 6) <input type="checkbox"/> Other: _____                          |

## **DETAILED ACTION**

### ***Claim Rejections - 35 USC § 112***

1. The following is a quotation of the first paragraph of 35 U.S.C. 112:

The specification shall contain a written description of the invention, and of the manner and process of making and using it, in such full, clear, concise, and exact terms as to enable any person skilled in the art to which it pertains, or with which it is most nearly connected, to make and use the same and shall set forth the best mode contemplated by the inventor of carrying out his invention.

2. Claim 6 is rejected under 35 U.S.C. 112, first paragraph, as failing to comply with the enablement requirement. The claim(s) contains subject matter which was not described in the specification in such a way as to enable one skilled in the art to which it pertains, or with which it is most nearly connected, to make and/or use the invention. Claim 6 recites the limitation "wherein the carrier is produced from a chemically resistant material", the applicant's specification fails to define what is considered a chemically resistant material, the only material specified by the applicant is ceramic, which applicant refers to as having a high chemical resistance. High chemical resistance infers that there is a possibility that some chemical could corrode the surface.

### ***Claim Rejections - 35 USC § 102***

3. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless –

(b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.

4. Claims 6-26 are rejected under 35 U.S.C. 102(b) as being anticipated by Prabhu (6,791,072).

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5. Regarding claim 6, Prabhu (e.g. figure 7c) teaches an integrated circuit arrangement comprising a nonplanar substrate 701 in which an integrated circuit 702 is formed on a side of the substrate arranged on a carrier 703 wherein the carrier is produced from a chemically resistant material (column 5 line 65-column 6 line 2);(applicant asserts that ceramic is “highly chemically resistant”).
6. Regarding claim 7, Prabhu teaches wherein the carrier is produced from a ceramic (column 5 line 65-column 6 line 2).
7. Regarding claim 8, Prabhu teaches that the side of the carrier which is remote from the integrated circuit has a planar surface (see figure 7c).
8. Regarding claim 9, Prabhu teaches that the side of the substrate that is connected to the carrier is entirely connected to the carrier (701 and 703).
9. Regarding claim 10, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.
10. Regarding claim 11, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.
11. Regarding claim 12, Prabhu teaches that the side of the substrate that is connected to the carrier is entirely connected to the carrier (701 and 703).
12. Regarding claim 13, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.
13. Regarding claim 14, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.

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14. Regarding claim 15, Prabhu teaches that the side of the carrier which is remote from the integrated circuit has a planar surface (see figure 7c).
15. Regarding claim 16, Prabhu teaches that the side of the substrate that is connected to the carrier is entirely connected to the carrier (701 and 703).
16. Regarding claim 17, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.
17. Regarding claim 18, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.
18. Regarding claim 19, Prabhu teaches that the side of the substrate that is connected to the carrier is entirely connected to the carrier (701 and 703).
19. Regarding claim 20, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.
20. Regarding claim 21, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.
21. Regarding claim 22, Prabhu (e.g. figure 7c) teaches an integrated circuit arrangement comprising a curved substrate 701, having an integrated circuit 702 formed in the outer side of the substrate, where the substrate is arranged on a carrier 703, wherein the carrier is produced from a chemically resistant material (column 5 line 65-column 6 line 2);(applicant asserts that ceramic is “highly chemically resistant”).
22. Regarding claim 23, Prabhu teaches wherein the carrier is produced from a ceramic (column 5 line 65-column 6 line 2).

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23. Regarding claim 24, Prabhu teaches that the side of the carrier which is remote from the integrated circuit has a planar surface (see figure 7c).

24. Regarding claim 25, Prabhu teaches that the side of the substrate that is connected to the carrier is entirely connected to the carrier (701 and 703).

25. Regarding claim 26, Prabhu teaches that the carrier has a cavity in which the substrate is completely held 703.

### ***Response to Arguments***

26. Applicant's arguments with respect to claims 6-26 have been considered but are moot in view of the new ground(s) of rejection.

### ***Conclusion***

27. Applicant's amendment necessitated the new ground(s) of rejection presented in this Office action. Accordingly, **THIS ACTION IS MADE FINAL**. See MPEP § 706.07(a). Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to KRISTA SODERHOLM whose telephone number is (571)272-8344. The examiner can normally be reached on M and Th 6:30-4:30.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Sue Purvis can be reached on 571-272-1236. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see <http://pair-direct.uspto.gov>. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

/KZS/  
/VICTOR A MANDALA JR/

Examiner, Art Unit 2826

3/26/09